

20010110.qrp v02_n063.qrl.20010110

Date: Wed, 10 Jan 2001 19:03:12 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2063

QRP-L Digest 2063

Topics covered in this issue include:

- 1) [88249] Re: MS-30 possible (I.F. Suggestion)
by Steve Yates - AA5TB <aa5tb@arrl.net>
- 2) [88250] Re: CB Conversion Question
by Steve Yates - AA5TB <aa5tb@arrl.net>
- 3) [88251] Re: Help - HTX-202
by "John J. McDonough" <wb8rcr@arrl.net>
- 4) [88252] RE: Icom IC-706MKIIG Question
by Nick Kennedy <nkennedy@tcainternet.com>
- 5) [88253] FS Qrp
by ac5ez@webtv.net (Larry)
- 6) [88254] Audio SWR indicator
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 7) [88255] Re: Audio SWR indicator
by "George, W5YR" <w5yr@att.net>
- 8) [88256] Re: Audio SWR indicator
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 9) [88257] The Ramsey WORKS! Thanks!
by MITCHELLRI@aol.com
- 10) [88258] Truffle hunt, K0EVZ style.
by Shephed@aol.com
- 11) [88259] Doc is screaming on 7.044
by Shephed@aol.com
- 12) [88260] Re: Arkiecon
by "Jay Bromley" <w5jay@alltel.net>
- 13) [88261] Fox???
by Shephed@aol.com
- 14) [88262] Re: Fox???
by Shephed@aol.com
- 15) [88263] SLV construction question
by Tim Hodges <7twh@ttc-cmc.net>
- 16) [88264] Re: SWL SW-40+ Kit/Options/Extras
by Richard Arland <rarland@earthlink.net>
- 17) [88265] FOX- Working 'em steady and close
by Kevin L Anderson <k9iua@juno.com>
- 18) [88266] First Fox
by ac5ez@webtv.net (Larry)
- 19) [88267] Re: SLV construction question

- by Erik Werner <ewerner@sprintmail.com>
- 20) [88268] Thanks
by "Ron, KU7Y" <ku7y@qsl.net>
- 21) [88269] Re: SLV construction question
by david gauding <david.gauding@bbs.galilei.com>
- 22) [88270] The Crashing of Antennae?
by wb2vuo@juno.com
- 23) [88271] Re: Doc is screaming on 7.044
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 24) [88272] Truffle hunt, K0EVZ style--thanks :-)
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 25) [88273] Source for SBL-1, NE602????
by "Adrian Weiss" <aweiss@usd.edu>
- 26) [88274] Re: Source for SBL-1, NE602????
by "Trevor Jacobs" <fxtech@earthlink.net>
- 27) [88275] Iowa QRP Club CW Net tonight
by Mark R Milburn <kq0i@juno.com>
- 28) [88276] Fox Prefix
by "Jerry W. O'Dell" <jwodell@provide.net>
- 29) [88277] Re: Epiphyte 3: It works!
by "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
- 30) [88278] Re: [TMPS] Thirty Meter Propagation Study for 2001 [long]
by Rick Sealey <rsealey@northstate.net>
- 31) [88279] FOX Jazz
by "Karl F. Larsen" <k5di@zianet.com>
- 32) [88280] Thirty Meter Band and Above
by Charles K Brown <n4so@juno.com>
- 33) [88281] PSK31 & MFSK questions
by Drbob92031@aol.com
- 34) [88282] TMPS: Off and Running on 30m
by "Franco, Nicholas J" <franco@bnl.gov>
- 35) [88283] Re: PSK31 & MFSK questions
by Phil Wheeler <w7ox@earthlink.net>
- 36) [88284] Re: Icom IC-706MKIIG Question
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
- 37) [88285] Re: Help - HTX-202
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
- 38) [88286] Re: PSK31 & MFSK questions
by "ZOOM" <kandRparker@sympatico.ca>
- 39) [88287] Operating out of local area.
by DonaldMeyerhoff@aol.com
- 40) [88288] Making sense
by "Karl F. Larsen" <k5di@zianet.com>
- 41) [88289] Re: Operating out of local area.
by "Dan W. Dooley" <dandooley@pipeline.com>
- 42) [88290] Re: Help - HTX-202
by "Mike Yetsko" <myetsko@insydesw.com>
- 43) [88291] FOX Announcement 01/11/01 KF4AR

- by Rick Robinson <rerobins@email.uncc.edu>
- 44) [88292] PSK: error correction
by Richard Matthews <prm@hiwaay.net>
- 45) [88293] operating differences
by Michael Goins <mgoins@usa.net>
- 46) [88294] Re: Icom IC-706MKIIG Question
by "Mike Yetsko" <myetsko@insydesw.com>
- 47) [88295] PSK: Dreaming
by Richard Matthews <prm@hiwaay.net>
- 48) [88296] Re: Operating out of local area.
by "Richard Brummer, K2JQ" <k2jq@bestweb.net>
- 49) [88297] Re: error correction
by "Dan W. Dooley" <dandooley@pipeline.com>
- 50) [88298] RE: Icom IC-706MKIIG Question
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
- 51) [88299] Re: PSK: error correction
by Phil Wheeler <w7ox@earthlink.net>
- 52) [88300] Re: Help - HTX-202
by KENNETH ROBERT MCGUIRE <at902@tcnet.org>
- 53) [88301] Re: PSK: error correction
by Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
- 54) [88302] Arkiecon 2001
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 55) [88303] Re: PSK: Dreaming
by Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
- 56) [88304] OT: Wanted : Husty P.S.
by agtaylor@llnl.gov
- 57) [88305] Re: [TMPS] Thirty Meter Propagation Study for 2001 [long]
by Charlie Panek <charlie_paneke@agilent.com>
- 58) [88306] Key ID
by "Rod Cerkoney" <n0rc@hotmail.com>
- 59) [88307] SBL-1, NE602
by K5BDZ@aol.com
- 60) [88308] Source for SA612AN/NE602 replacement
by Charles K Brown <n4so@juno.com>
- 61) [88309] TRIPP LITE Regulated Power Supply
by Charles K Brown <n4so@juno.com>
- 62) [88310] FOX: Hunt 24 Preliminary Log & Comments
by Ron Majewski <majewski@erim-int.com>
- 63) [88311] Re: Icom IC-706MKIIG Question
by "Don Wilhelm" <w3fpr@arrl.net>
- 64) [88312] SDRV analyzes nicely.
by Ed Loranger <ooringer@yahoo.com>
- 65) [88313] Re: SDRV analyzes nicely.
by Ed Loranger <ooringer@yahoo.com>
- 66) [88314] The Manhattan Challenge and more
by Jerry Parker <jparker@fix.net>
- 67) [88315] Presentation on QRP?

by jcasey@notes.cc.sunysb.edu
68) [88316] 80/40 Vertical..
by Kleibe Jacinto de Araujo <kleibe@anatel.gov.br>
69) [88317] Re: 80/40 Vertical..
by Phil Wheeler <w7ox@earthlink.net>
70) [88318] Re: PSK: error correction
by "laura halliday" <marsgal42@hotmail.com>
71) [88319] Re: Hygain Customer service
by n2go@arrl.net
72) [88320] Re: PSK: Dreaming
by "ZOOM" <kandRparker@sympatico.ca>
73) [88321] 17m Sat Morning PSK net--The Results
by "Rod Cerkoney" <n0rc@hotmail.com>
74) [88322] PSK31 DOES NOT HAVE ERROR CORRECTION!!!!
by "ZOOM" <kandRparker@sympatico.ca>
75) [88323] Re: PSK31 DOES NOT HAVE ERROR CORRECTION!!!!
by "laura halliday" <marsgal42@hotmail.com>
76) [88324] Chili Cookout
by w2xn@juno.com
77) [88325] Re: PSK31 DOES NOT HAVE ERROR CORRECTION!!!!
by "Graeme Zimmer" <gzimmer@bigpond.com>
78) [88326] Re: Presentation on QRP?
by Larry S Cahoon <wd3p@juno.com>
79) [88327] Re: Arkiecon 2001
by "Graham Firth" <graham.firth@btinternet.com>
80) [88328] Re: Source for SBL-1, NE602????
by "laura halliday" <marsgal42@hotmail.com>
81) [88329] Re: PSK31 DOES NOT HAVE ERROR CORRECTION!!!!
by "kc0bdw" <kc0bdw@email.msn.com>
82) [88330] Re: [Elecraft] 17m Sat Morning PSK net--The Results
by Phil Wheeler <w7ox@earthlink.net>
83) [88331] Re: Source for SBL-1, NE602????
by Phil Wheeler <w7ox@earthlink.net>
84) [88332] Re: PSK31 DOES NOT HAVE ERROR CORRECTION!!!!
by "ZOOM" <kandRparker@sympatico.ca>

Date: Tue, 09 Jan 2001 18:05:40 -0600
From: Steve Yates - AA5TB <aa5tb@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88249] Re: MS-30 possible (I.F. Suggestion)
Message-ID: <001501c07a99\$1294cae0\$0e763ed8@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

I'm not familiar with the MS-15 rig but if possible try to avoid 12 MHz for

an IF or any other frequency where shortwave broadcast occur if possible. Even with 60dB of IF rejection it is hard to eliminate a 500kW broadcast from leaking through.

The 38S has an inherent problem in that whenever the 12 MHz broadcast fires up, there is a very annoying heterodyne at all useable frequencies. When using a resonant dipole the problem is greatly reduced but with other antennas the rig can become useless. Granted, a simple Hi-Q wavetrapp or sharper bandpass filter may eliminate the problem with my 38S whenever I get "a round two-it".

My MFJ-9020 rig has a similar problem whenever WWV is strong on 10 MHz because of its IF being 10 MHz.

Something oddball, like the widely used 9 MHz IF, helps in this regard although I realize the QRP manufacturers use 12 and 10 MHz because of the wide availability of off-the-shelf crystals for these frequencies.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
aa5tb@arrl.net
<http://www.geocities.com/aa5tb>

Date: Tue, 09 Jan 2001 18:21:27 -0600
From: Steve Yates - AA5TB <aa5tb@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88250] Re: CB Conversion Question
Message-ID: <006901c07a9b\$46dbbfa0\$0e763ed8@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

If it is an AM only rig, modify it so it will work at least from 29.0 to 29.1 MHz. There is a lot of AM activity there. Or you can build a FM demodulator and modify the transmitter for FM and use the rig from 29.5 to 29.7 MHz. I once performed the FM conversion on a rig about 20 years ago but have since lost the details.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
aa5tb@arrl.net
<http://www.geocities.com/aa5tb>

Date: Tue, 9 Jan 2001 19:26:13 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: <myetsko@insydesw.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88251] Re: Help - HTX-202
Message-ID: <00c201c07a9b\$f3254740\$010044c0@baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang - I have to relate a somewhat off-topic story.

----- Original Message -----

From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, January 08, 2001 10:17 PM
Subject: Re: Help - HTX-202

> The RS packs have more extensive circuitry than the ICOM
> packs, and I've never run any test on the packs to see how

Three years ago, maybe four, my wife bought me an HTX-202 for Christmas. The guy at Radio Shack convinced her to also spring for a third-party BP-8 clone, and matching charger. That was a good move, as the BP-8 is both higher voltage and higher capacity than the stock battery, and as a result it produces more power for much longer. (For those who may think this is a little strange, the HTX-202's high power setting is between 2.5 and 6 watts, depending on the voltage. The BP-8 should produce just under 4 watts, the original, 2.5. The price is that the BP-8 is bigger and heavier. There is a limit, tho. At about the voltage of the BP-8, the rig can't be run off the rubber duckie ... the RF drives the computer inside nuts. The 5-6 watt stuff is only with an external antenna. At the BP-8 level it's a bit dicey, the rubber duckie is fine if you are outside, but not if you are in a metal box like a car that keeps all that RF inside. But then, being a QRPer I'm not afraid to use the low power switch.)

Well, as a result of having the BP-8, the original battery hasn't seen much use. Normally it sits upstairs on the wall-wart charger, once in a blue moon I think to discharge it. Over the past year or so, my HTX-202 hasn't gotten much use (my new Q7A is a lot easier to carry), and in spite of the red light reminding me, the original battery has remained plugged in for well over a year.

This thread caused me to think of it, and this morning I attached the original battery to the HTX, fully expecting it to discharge in about 5 minutes. Now to be fair, the repeaters out here in the boondocks don't get all that much use, so the battery didn't have to drive a lot of audio, but after 13 hours of powering the receiver, the voltage finally dropped to the level it couldn't keep the squelch closed. And after all that abuse for the past few years.

Now we'll see if it will take a charge again!

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Tue, 9 Jan 2001 18:21:34 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'n1bq@wulfden.org'" <n1bq@wulfden.org>, "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [88252] RE: Icom IC-706MKIIG Question
Message-ID: <01C07A68.FFE418E0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Not sure you've gotten a direct answer to your question yet, so I'll take a shot.

The current path doesn't go through the positive lead of the radio. The situation is like this--battery strap from negative to frame is missing. The radio has a direct connection to the negative battery post and also a connection to the car's frame through the shield of the coax to the antenna connection.

Now, you try to energize the starter. The path is from battery common through the starter relay to the starter winding. The other side of the starter winding is connected to the frame and the return path would normally be via the strap from the frame to the negative post. But since that strap is postulated to be missing, the return path goes through the frame (chassis) to the coax braid, follows the braid to the rig. Then since the negative lead is connected to the radio's case, it can follow the negative rig power lead back to the battery. The current doesn't flow through the internals of the rig, or through the positive lead; it just uses the rig as a tie point between the braid and the power lead to the battery negative.

72--Nick, WA5BDU

-----Original Message-----

From: Brian B. Riley, N1BQ [SMTP:n1bq@wulfden.org]

This explains nothing, Sounds terrible; but please explain how. Why wouldn't the fuse in the positive line pop, otherwise all I can see is the ground wire passing current from the chassis mount to the battery negative. How would full starter load go through radio ... admittedly not good, but more likely the negative lead of the radio would pop before the chassis would melt, but not likely the radio would go ...

>

Date: Tue, 9 Jan 2001 18:32:07 -0600 (CST)

From: ac5ez@webtv.net (Larry)

To: qrp-l@lehigh.edu

Subject: [88253] FS Qrp

Message-ID: <1196-3A5BAD87-6533@storefull-118.iap.bryant.webtv.net>

Content-Disposition: Inline

Content-Type: Text/Plain; Charset=US-ASCII

Content-Transfer-Encoding: 7Bit

MIME-Version: 1.0 (WebTV)

Mjif 9020 , perfect condition, 3 1/2 watts output, recent alignment , audio filter. audio amp for speaker. \$110.00 plus \$10.00 shipping.

K1zw

Larry

Qcwa

Date: Tue, 9 Jan 2001 18:43:21 -0600

From: "Stuart Rohre" <rohre@arlut.utexas.edu>

To: <emtech@steadynet.com>, <qrp-l@Lehigh.EDU>

Subject: [88254] Audio SWR indicator

Message-ID: <00be01c07a9e\$54d8a700\$5ac07481@rohredt2000>

There is an on line Index to "Ham Radio magazine". From it, I found the "SWR Indicator for the Visually Handicapped," pg. 52, May 1976 is the paper I remembered. The author was K6HTM. Thanks to VE3WGX for this Index! This is a listing of contents that can be sorted by topics or other means.

The microfiche of the magazine back issues is sold by one of the ham publishing companies, (Buckmaster), but I understand the rights to the magazine may have been conveyed from CQ Publishing to ARRL. That might be a way to buy back reprints, from ARRL. The Toronto library had most of the later years of HR, and I imagine there are other college libraries that might.

GL and 72,
Stuart k5KVH

Date: Tue, 09 Jan 2001 18:44:29 -0600
From: "George, W5YR" <w5yr@att.net>
To: rohre@arlut.utexas.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88255] Re: Audio SWR indicator
Message-ID: <3A5BB06D.C0324BD2@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

URL, Stuart, for the online index?

Thanks.

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Stuart Rohre wrote:

>
> There is an on line Index to "Ham Radio magazine". From it, I found the
> "SWR Indicator for the Visually Handicapped," pg. 52, May 1976 is the paper
> I remembered. The author was K6HTM. Thanks to VE3WGX for this Index! This
> is a listing of contents that can be sorted by topics or other means.
>
> The microfiche of the magazine back issues is sold by one of the ham
> publishing companies, (Buckmaster), but I understand the rights to the
> magazine may have been conveyed from CQ Publishing to ARRL. That might be a
> way to buy back reprints, from ARRL. The Toronto library had most of the
> later years of HR, and I imagine there are other college libraries that

> might.
>
> GL and 72,
> Stuart k5KVH

--

Date: Tue, 9 Jan 2001 18:57:43 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "George, W5YR" <w5yr@att.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [88256] Re: Audio SWR indicator
Message-ID: <00c801c07aa0\$5687cbb0\$5ac07481@rohredt2000>

The URL for Ham Radio magazine index is<...../hrindex.htm> if you have a search function that fills in the www. etc.

I got there from <google.com> by searching for Ham Radio magazine. Oh, here we go: <www.webhome.idirect.com/~griffith/hrindex.htm>

-Stuart

Date: Tue, 9 Jan 2001 20:16:03 EST
From: MITCHELLRI@aol.com
To: qrp-1@lehigh.edu
Subject: [88257] The Ramsey WORKS! Thanks!
Message-ID: <67.e20f3f6.278d11d3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

To all who took the time to help me diagnose the dead Ramsey 20mtr qrp rig, I offer my sincere appreciation and thanks. Everybody's input was relevant and on the money. In the end, Q3, the final amp, had gone south. A \$0.99 purchase at RS got me back on line.

So, THANK YOU Bill Harbour, Alan Kaul, Ken, N4S0. Robert Parker, W6TOY, and anyone else who I forgot. You have all demonstrated the value and strength of our hobby by your willingness to help and support.

This group is an outstanding example of ham radio at its best.
73, gd dx, gd qrp, Happy new Year! May your antennas weather all storms!

Leeds Mitchell, WA1GJF

Date: Tue, 9 Jan 2001 20:15:51 EST
From: Shepherd@aol.com
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [88258] Truffle hunt, K0EVZ style.
Message-ID: <42.f21e54f.278d11c7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hey all,
Look for Doc tonight right before the Fox hunt, around 7.044

72, 73, oo's
Dan, N8IE Kettering, Oh
FPqrp #-6, QRP-1 #1404, FISTS #4985, Zombie #667, SOC #284
<http://members.aol.com/shephed/n8ie.htm>

Date: Tue, 9 Jan 2001 20:44:34 EST
From: Shepherd@aol.com
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [88259] Doc is screaming on 7.044
Message-ID: <51.5e1e1a6.278d1882@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Very loud into Ohio, go get him!!!!

72, 73, oo's
Dan, N8IE Kettering, Oh
FPqrp #-6, QRP-1 #1404, FISTS #4985, Zombie #667, SOC #284
<http://members.aol.com/shephed/n8ie.htm>

Date: Tue, 9 Jan 2001 20:07:42 -0600
From: "Jay Bromley" <w5jay@alltel.net>
To: <crooke@prodigy.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: "William Winscott" <n6cha@ipa.net>, "Steve Lowrey" <snlowrey@alltel.net>, "Stan Ross" <slross@cox-internet.com>, "Royce Rainwater" <ke5tc@crosstel.net>, "Ronald M. Kupers" <w5xq@arrl.net>, "Richard Donovan" <n5xm@alltel.net>, "Randy Holden" <Randy_Holden@hotmail.com>, "Randy Baggett" <kg5ne@cei.net>,

Subject: [88260] Re: Arkiecon
Message-ID: <00cb01c07aaa\$22920dc0\$079b66a6@w5jay>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jim and all,
I have been knee deep in P-TiCks, fighting ICE storms and making final preparation arrangements for ArkieCon. I wanted to get "all my ducks in a row" before making any announcements. Time is getting too short so here is the scoop so far.

ArkieCon will be held the weekend of April 7, 2001 at Columbus Acres off of Hwy 71 South in Fort Smith, AR. The same place as last year. Like Pacificon and Atlanticon, ArkieCon 2001 will have an international flare with guest speakers Tony Fishpool and Graham Firth. Also joining the guest lineup will be NJQRP's own George Heron. More to follow on the speakers later.

We will have a ton of notable attendees to hang out with the whole weekend, like Mr. NorCal Jim Cates (Jim is the one who does all the work and made Doug famous), also coming is "I can build a better antenna" Vern Wright. Moderating this years event will be none other than NorCal's Doug Hendricks.

I will get hung for giving the link for last year's web site. Hanging Judge Kelsey has been waiting patiently for me to finalize things so he can update the web page. Please be patient but in the mean time, put us on your calendar and check out what happened last year at <http://www.alltel.net/~kmike/arkiecon.html>

Please note that the guest speaker page has NOT been updated.

Hope to cu this Spring

73 de w5jay or just JayBob..

> Can someone point me to info on Arkiecon this year? My links are not
> working and I'm scheduling my weekend travels this spring.
>
> Thanks.
>
> 72 es oo's Jim KJ0C

Date: Tue, 9 Jan 2001 21:08:44 EST
From: Shepherd@aol.com
To: qrp-1@lehigh.edu
Subject: [88261] Fox???
Message-ID: <47.5e0af1c.278d1e2c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Lot's of good signals, but no Fox?

72, 73, oo's
Dan, N8IE Kettering, Oh
FPqrp #-6, QRP-1 #1404, FISTS #4985, Zombie #667, SOC #284
<http://members.aol.com/shepherd/n8ie.htm>

Date: Tue, 9 Jan 2001 21:11:34 EST
From: Shepherd@aol.com
To: qrp-1@lehigh.edu
Subject: [88262] Re: Fox???
Message-ID: <a3.1041d614.278d1ed6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Found him, sneaky little one. Working LOW tonight.

72, 73, oo's
Dan, N8IE Kettering, Oh
FPqrp #-6, QRP-1 #1404, FISTS #4985, Zombie #667, SOC #284
<http://members.aol.com/shepherd/n8ie.htm>

Date: Tue, 09 Jan 2001 19:12:19 -0700
From: Tim Hodges <7twh@ttc-cmc.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [88263] SLV construction question
Message-ID: <3A5BC502.81BA6442@ttc-cmc.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Santa brought me a new SD-20 pole to build an SLV with. One construction

question I have is how to secure the twinlead loading coil. I thought about looking for some monster heat shrink tape. How have any of you done it?

72 de KD7JZ
Tim

Date: Tue, 09 Jan 2001 21:26:50 -0500
From: Richard Arland <rarland@earthlink.net>
To: epaqrp-l@Lehigh.EDU, QRP List <qrp-l@Lehigh.EDU>
Subject: [88264] Re: SWL SW-40+ Kit/Options/Extras
Message-ID: <3A5BC86A.2B10AEF6@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Man, I could have used a boxcar full of these little puppies!

It is gone...sorry guys...you gotta be fast around here.

73 Rich K7SZ

Richard Arland wrote:

>
> Just found one more thing that I need to off-load:
>
> I have an unassembled Small Wonder Labs SW-40+ kit along with a FreqMite
> audio digital freq readout (unassembled), a K1EL K9 memory keyer kit
> w/chip (unassembled kit) plus a baggie of parts for "upgrading" this
> puppy IAW the article that appeared in the ARRL BOOK, QRP Power about
> the SW-40. Also, I have the Elmer 101 book that goes with this rig that
> I'll include in the deal.
>
> Originally, I bought this for my son-in-law, Kyle, KF4TIV, but he has
> shown no interest in wanting to build it, and I can't see it sitting on
> the workbench in a box waiting to be assembled. Somebody might as well
> get some fun out of it.
>
> There are some controls also included (a 10K 10 turn pot, I think), so
> about all someone needs to do is to get a box to put it in, to complete
> the kit.
>
> \$100.00 takes it all and I ship for that price.
>
> 73 Rich K7SZ

Date: Tue, 09 Jan 2001 22:09:06 EST
From: Kevin L Anderson <k9iua@juno.com>
To: qrp-1@lehigh.edu
Subject: [88265] FOX- Working 'em steady and close
Message-ID: <20010109.211720.4959.2.K9IUA@juno.com>

Foxhunters:

If you are one like me who generally is limited
by a small RIT range, then Ron, W8RU, is the
fox for you.

He has been working the hunters fairly steady
since he started. The entire time that I've been
listening (from about 0205 onward) he has been
a decent S5 or stronger. I haven't been measuring
his offset, but it seems to be +/- 1 and within
for most hunters.

Look below the usual frequencies, as you will find
him down where we usually don't have the fox
hunts. Good luck.

Cheers/73. Kevin, K9IUA
...not as RIT challenged as before, as my just
acquired TT Argosy 525D seems to range +/- 3.8 kHz.
A nice rig with decent filters for a very reasonable price.
A great rig for QRP.....and it does 30m for TMPS!
* * * * *
Kevin Anderson, K9IUA, Lincoln/Bismarck ND
e-mail: K9IUA@juno.com Opinions all my own.
* * * * *

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 9 Jan 2001 21:33:38 -0600 (CST)
From: ac5ez@webtv.net (Larry)
To: qrp-1@lehigh.edu
Subject: [88266] First Fox
Message-ID: <16883-3A5BD812-4537@storefull-113.iap.bryant.webtv.net>

Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

I cant believe it, actually worked the fox for the first time. Used the mfj 9040 to a av640 vertical .Drug the 9040 out of mothballs just so I could snare the fox and by jove it worked, quite a thrill !
My hats off to the fox (ron) , quite an op.

K1zw Larry
Texas

Date: Tue, 09 Jan 2001 22:42:57 -0500
From: Erik Werner <ewerner@sprintmail.com>
To: 7twh@ttc-cmc.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88267] Re: SLV construction question
Message-ID: <5.0.0.25.0.20010109224106.00a53eb0@smtp.a001.sprintmail.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Black electrical tape every 30 or so turns for 10 wraps. It's held together now for about 3/4 year.

Erik
KD5CTJ

At 07:12 PM 1/9/01 -0700, Tim Hodges wrote:
>Santa brought me a new SD-20 pole to build an SLV with. One construction
>question I have is how to secure the twinlead loading coil. I thought
>about looking for some monster heat shrink tape. How have any of you
>done it?
>
>72 de KD7JZ
>Tim

Date: Tue, 09 Jan 2001 20:22:32 -0700
From: "Ron, KU7Y" <ku7y@qsl.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [88268] Thanks
Message-ID: <000501c07abb\$aba27e40\$53c6a9d8@com>
MIME-version: 1.0

Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Hi All,

Thanks for ALL the replies about charging the battery on the HTX 202.

What a great placed this QRP-L is!

cul, Ron KU7Y
Full time RVing somewhere in the West!
(Currently near Quartzsite, AZ)
A Proud AZScQRPion
A gun in the hand is better than a cop on the phone

Date: Tue, 09 Jan 2001 22:28:00 -0600
From: david gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [88269] Re: SLV construction question
Message-ID: <5.0.2.1.0.20010109220228.02428a80@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Tim,

Rubber tape is fine for holding the coil in place at top and at the bottom.
This assumes it is wrapped very tightly per the instructions, no loose
turns anywhere.

I believe KI6DS used heatshrink tubing to finish his SLV. Drop Doug
Hendricks and note and I'm sure he will be happy to explain the sizing and
how it was done.

Replace the large nail in the mounting base with a 6-8" landscaping spike
to improve the stability in windy locations.

Also, remember to short out the coil at the top and bottom. It's the most
common error builders make on this project.

Since the SLV design was published in 1996, I increased the number of
folded radials from three to six. Later they were replaced with St. Louis
Radials.

The SLR's use seven conductors of flat computer cable terminated with a
medium alligator clip. Find a friendly computer repair shop and ask to

borrow the multi-conductor stripper. Pre-cut your ribbons and bring along a test wire.

Use nine 16-1/2' ribbons. They are an 8th wave on 40M but work well with the SLV from 10-40M. Roll them in sets of three ribbons and store in a round Rubbermaid 1.7L container.

Good luck. Drop me an e-mail if you have any questions or problems.

de Dave, NFOR nf0r@slacc.com

At 07:12 PM 1/9/01 -0700, you wrote:

>Santa brought me a new SD-20 pole to build an SLV with. One construction
>question I have is how to secure the twinlead loading coil. I thought
>about looking for some monster heat shrink tape. How have any of you
>done it?

>

>72 de KD7JZ

>Tim

Date: Tue, 9 Jan 2001 23:31:35 -0500
From: wb2vuo@juno.com
To: qrp-l@lehigh.edu
Subject: [88270] The Crashing of Antennae?
Message-ID: <20010109.233137.-346207.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, when the wind hit peaks of 55 MPH tonite, I heard/felt the last mast come down, along with one of the larger spruce trees next door.

With a wind chill in the -30F range, I will not consider putting up the mast tonite.

On top of that, our 3" snowfall has drifted over the hood of the car, leaving the majority of the driveway bare.

At least I am sitting here all warm, freshly made hot cocoa in the mug and all that. Hope your evening went better.

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
President, Brockport Amateur Radio Klub & Tech Coordinator, ARRL WNY
Section

My night light runs more power than my Rig!!!

Replies - <mailto:wb2vuo@arrl.net>

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 9 Jan 2001 23:42:06 -0500

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: "INTERNET:Macstein@aol.com" <Macstein@aol.com>

Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, ".QRP-L Discussion
Group" <QRP-L@Lehigh.edu>

Subject: [88271] Re: Doc is screaming on 7.044

Message-ID: <200101092342_MC2-C12A-B924@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: quoted-printable

Content-Type: text/plain;

charset=ISO-8859-1

Content-Disposition: inline

Mac:

Well you were nevertheless clear copy here in the NC-40a. Gosh. Guess I=
'm
glad you had the rig turned down--saved the hearing here. Thanks for
dropping by.

72,

--Doc/K0EVZ

Date: Tue, 9 Jan 2001 23:42:13 -0500

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: "INTERNET:Shephed@aol.com" <Shephed@aol.com>

Cc: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>

Subject: [88272] Truffle hunt, K0EVZ style--thanks :-)

Message-ID: <200101092342_MC2-C12A-B92A@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: quoted-printable

Content-Type: text/plain;

charset=ISO-8859-1

Content-Disposition: inline

Dan and Gang:

It was a real kick to be serving Truffles before the FOX hunt. This was =
a
new experience for me, very enjoyable. Setup was a Norcal 40a at 2 watts=

out to the big loop. I will publish a log ASAP. Thanks one and all for
dropping by, and here's hoping everyone bagged the FOX tonight.

72,
--Doc/K0EVZ

Date: Wed, 10 Jan 2001 08:41:54 GMT
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-1@lehigh.edu
Subject: [88273] Source for SBL-1, NE602????
Message-ID: <G6XPAL01.F4X@mail.usd.edu>

Hi gang:
I've been surfing a lot of sites, but no SBL-1 or NE602 in sight yet!

Any leads?

Please reply to my e-mail address to save bbandwidth on the list.

Thanks!

72, Ade

Date: Wed, 10 Jan 2001 01:21:07 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <aweiss@usd.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88274] Re: Source for SBL-1, NE602????
Message-ID: <000f01c07ae6\$aaddc020\$849eb2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Ade,
Try HSC or Ocean State Electronics, or Dan's Small Parts. Their web
addresses are:

HSC:
<http://www.halted.com>

Ocean State Electronics:
<http://www.oselectronics.com/>

Dan's Small Parts:
<http://www.fix.net/dans.html>

One of these places should have what you're looking for. Hope this helps.
Take care.

73
Trev
KG6CYN

----- Original Message -----
From: Adrian Weiss <aweiss@usd.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Wednesday, January 10, 2001 12:41 AM
Subject: Source for SBL-1, NE602????

> Hi gang:
> I've been surfing a lot of sites, but no SBL-1 or NE602 in sight yet!
>
> Any leads?
>
> Please reply to my e-mail address to save bandwidth on the list.
>
> Thanks!
>
> 72, Ade
>

Date: Wed, 10 Jan 2001 05:43:12 -0600
From: Mark R Milburn <kq0i@juno.com>
To: qrp-l@lehigh.edu
Subject: [88275] Iowa QRP Club CW Net tonight
Message-ID: <20010110.054313.-399869.0.KQ0I@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=windows-1252
Content-Transfer-Encoding: 7bit

The Iowa QRP Club will be holding its CW net at 0130Z tonight on 7.109

plus or minus QRM. If you would like to join us, you are more than welcome. The NCS will be KQ0I.

72 Mark, KQ0I

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 10 Jan 2001 06:54:37 -0500

From: "Jerry W. O'Dell" <jwodel@provide.net>

To: qrp-l@listserv.lehigh.edu

Subject: [88276] Fox Prefix

Message-ID: <4.2.2.20010110065218.00c0a320@mailin.provide.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Not to cause trouble, but a couple of years ago an informal rule was established so that "Fox" would appear in the subject line of anything about Fox hunting with a mail filter.

That way, those of us who detest contests of any kind could avoid that stuff.

I see lots of fox stuff on the main list. Sigh. It's so huge anyhow. Hate to stop reading it.

73 jerry w8gnd

Date: Wed, 10 Jan 2001 05:58:18 -0600

From: "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>

To: "'jmalloy@hamilton.edu'" <jmalloy@hamilton.edu>

Cc: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>

Subject: [88277] Re: Epiphyte 3: It works!

Message-ID: <E90EEF51A894D411963F0006298F2BF706B2AD@PRODMLIN04>

MIME-Version: 1.0

Content-Type: text/plain

Hi Jim:

I made the same mistake of not identifying that there were two types of inductors.

I also had to do a bit to figure out how much capacitance to add to the 455Khz

resonator circuit (using the white, Panasonic resonator). The rig works really well. Which resonator did you receive with your kit?

With a good antenna match, the rig outputs 8 watts or more on voice peaks. A suggestion for peaking the BP circuit: Connect the EP-3 to a dummy load and use a carrier tone from a SSB receiver with the mike held up to the speaker. That way you have a constant output to peak the coils using the current measurement function of your DVM. Much easier than trying to hum at a constant volume.

GL, es 73 de N9WR, Don C. Faith III

Date: Wed, 10 Jan 2001 07:25:59 -0500
From: Rick Sealey <rsealey@northstate.net>
To: qrp-l@lehigh.edu
Subject: [88278] Re: [TMPS] Thirty Meter Propagation Study for 2001 [long]
Message-ID: <4.1.20010110071706.00976100@mail.northstate.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ferrell's Confidential Frequency List, 10th Edition (Jan 1997), identifies 30 stations along with their frequencies and modes, in the 30M shared band. Various military and commercial stations all over the world are listed.

Rick - W4SEA
High Point, NC

At 05:53 AM 01/09/2001 +0000, you wrote:
>At 08:53 PM 1/8/01 -0700, Rod Cerkoney wrote:
>
>---snip snip---
>
>>I've always know about sharing 30 with others but could never find out with
>who, or where they're at. Can you direct me to a source of that info?
>>
>>73, Rod N0RC
>>Fort Collins, CO

>Rod,
>
>I don't have a source. A lot of them are probably classified by several
>agencies and the
>commercial ones don't advertise. All the transmissions that I have heard
>have been encrypted.
----- SNIP -----
>Chuck Adams, K7QO
>Prescott, AZ k7qo@primenet.com
>

Date: Wed, 10 Jan 2001 05:28:38 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [88279] FOX Jazz
Message-ID: <Pine.LNX.4.31.0101100523140.799-1000000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

PBS is doing a history special on the birth and development of
Jass first, and then Jazz. Since I'm a devoted fan of Jazz it's nice they
started the series an hour AFTER the start of the show.

I'm recording it so that takes a little time getting ready. You
can buy the whole thing either as DVD or tape but it's more fun to roll
your own. The series is VERY Good. Last night was Armstrong.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 10 Jan 2001 08:10:22 -0600
From: Charles K Brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [88280] Thirty Meter Band and Above
Message-ID: <20010110.081022.4574.4.n4so@juno.com>

Above the 10.1 to 10.150 ham segment, is
10940.5 USB, Armed Forces Radio Network from
Sigonella, Italy. The Caribbean channel is 6458.5

USB. The feed is news, sports, National Public Radio, etc
broadcast to Armed Forces. Transmitters are around
the world on U. S. Navy bases.

--AFR.txt-- explains it all

Ken Brown N4SO

Mobile, AL EM50tk

NorCal 20 at 5 watts

4 element mono. yagi

Elecraft K1 #260

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Date: Wed, 10 Jan 2001 09:45:21 EST

From: Drbob92031@aol.com

To: qrp-1@lehigh.edu

Subject: [88281] PSK31 & MFSK questions

Message-ID: <51.5e6a80f.278dcf81@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

To all;

Dumb questions follow and would appreciate some "illumination"

1. I assume that when PSK31 and MFSK are working it "translates" the incoming
CW to visible CW (actual letters, words) on a PC monitor. Yes? No?

2. I am intimidated with the "simple" connections to the sound cards etc.

Could someone please take me by the hand and give me a cook book or Heath kit
type of

How To Do this hook up.

I am ripe for either PSK31 or MFSK after reading the Jan. QST.

I get the impression that MFSK is a bit superior. Yes? No?

Thanks for any assistance;

72/73 de WA2EAW..Bob

Date: Wed, 10 Jan 2001 09:51:04 -0500

From: "Franco, Nicholas J" <franco@bnl.gov>

To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>

Subject: [88282] TMS: Off and Running on 30m

Message-ID: <D869CC4782D3D41182CB0002B30A362B80A235@exchange01.bnl.gov>

MIME-Version: 1.0

Content-Type: text/plain;
charset="windows-1252"

Finally - Another Thirty Meter Propagation Study - Gotta love it.

I took my original SWL-30 out of moth balls for this one. I built it specifically for the 1996 TMPS and have hardly used it since. At that time I ran it mobile for the whole TMPS summer and made lots of contacts. It hasn't lost any of its appeal or success rate.

Last night I got on 30m with my SWL-30 original and worked 9A1CAH. It took a couple of hit and misses but finally made the Q. I listened around for other TMPS folk but nada. Gotta put a TiCK in this rig or something, but it runs just fine with my Vibroplex Bug. It doesn't have a very broad tuning range so I'll be working between 10.105 and 10.130 somewhere. I have an after burner in the rig (MAR-3 or 4) and run just about 2 watts.

Hope to see more TMPS stories coming soon.

72,

Nick - kf2p . .
QRP-L # 13 FP # 90

--
Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY
Systems Administrator Collider-Accelerator Department
Tel: (631) 344-5467 UPTON, NY 11973-5000
Fax: (631) 344-2833 Ham Call: KF2P
<mailto:nickf@bnl.gov> <http://www.rhichome.bnl.gov/People/franco>

Date: Wed, 10 Jan 2001 07:35:20 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: Drbob92031@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88283] Re: PSK31 & MFSK questions
Message-ID: <3A5C8138.8B93F39A@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Drbob92031@aol.com wrote:

>

> To all;
> Dumb questions follow and would appreciate some "illumination"
> 1. I assume that when PSK31 and MFSK are working it "translates" the incoming
> CW to visible CW (actual letters, words) on a PC monitor. Yes? No?

They are not really CW modes, but use SSB for TX; but you can receive them with a CW rcvr. The software is much more complex than a simple translation, including filtering and other features. More info can be found at various web sites. e.g.,

<http://www.aintel.bi.ehu.es/psk31.html>

<http://www.qsl.net/z11bpu/MFSK/>

> 2. I am intimidated with the "simple" connections to the sound cards etc.
> Could someone please take me by the hand and give me a cook book or Heath kit
> type of
> How To Do this hook up.

This web site discusses several interfacing schemes.

<http://www.w5bbr.com/soundbd.html>

Or you can buy a commercial interface such as RigBlaster or the one at the DigiPan site:

<http://members.home.net/hteller/digipan/>

73, Phil W7OX

Date: Wed, 10 Jan 2001 10:54:36 -0500
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>, "'bronson@eece.maine.edu'" <bronson@eece.maine.edu>
Subject: [88284] Re: Icom IC-706MKIIG Question
Message-ID: <E1F0152638DBD311AEF700D0B74455E21E339A@EXCHANGE_NH>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

It's my understanding, for this fused negative ground lead question, that it really is only important for, 1) if your radio is grounded to the battery, and not local chassis, and 2) if your antenna coax and/or radio local ground is properly grounded. Since it is the coax (or tuner or whatever is connected to local chassis ground) that is completing the circuit for the starter, if it is not there, then no damage can occur if only the radio neg

lead is to the battery. This would/could/does occur for high-power mono/dual band FM rigs using mag mount antennas. No grounded coax. Heck, for a while I was using my HF station strictly on a mag mount basis, and the tuner was not grounded either, but I recently grounded it to the trunklid.

I think there may have been a bit of confusion, by at least me early on in the discussion, about how power can flow through the radio in this rare case. Correct me if I am wrong, but it goes like this: cable from battery ground to starter is missing and/or battery ground cable to chassis ground is missing (or in a high-resistance state). Radio ground is connected to battery ground, not chassis ground. Coax is grounded to trunklid (chassis ground) and/or radio ground is connected to local chassis ground. Now, the starter current can flow either through the radio ground to the radio power ground through the way too small (even at 10 gauge) radio power ground to complete the circuit, thereby causing wire meltdown/fire but probably not hurting the radio.

Good disscusion; I finally learned why this is done. Thanks for the info. I don't think I will go about fusing my current car installation at the moment, but in the future I will definitely fuse the neg power lead also.

KB1CKT
Shawn Upton

Date: Wed, 10 Jan 2001 10:59:01 -0500
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [88285] Re: Help - HTX-202
Message-ID: <E1F0152638DBD311AEF700D0B74455E21E339B@EXCHANGE_NH>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Date: Mon, 8 Jan 2001 22:17:07 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <crmabbott@mediaone.net>, "Low Power Amateur Radio Discussion"
<qrp-l@Lehigh.EDU>
Subject: [88201] Re: Help - HTX-202

<snip>

The RS packs have more extensive circuitry than the ICOM packs, and I've never run any test on the packs to see how far you can push them, but charging through the coax connector should be able to go maybe as high as 18v.

Charging through the top (radio) connector is 'direct' to the battery so you need to be careful with voltage and current. If you charge through the 'bottom' screws for the drop in, they are also essentially a direct to the pack but some packs put a diode in there so you can't discharge through the screw heads if you set the pack on a conductive surface that manages to touch the screws.

<snip>

Mike

The top power connector, is that connected directly to the battery pack? Or does the current limiter work for that situation? I used to use my 202 in the car, and would just connect power (car 13.8V) to the top connector and go, using the radio for a "mobile" rig, leaving the battery pack still on. Good/bad idea?

KB1CKT

Shawn Upton

Date: Wed, 10 Jan 2001 11:01:51 -0500
From: "ZOOM" <kandRparker@sympatico.ca>
To: <Drbob92031@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88286] Re: PSK31 & MFSK questions
Message-ID: <002f01c07b1e\$a577c8a0\$39cdfea9@einstein>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

PSK is not CW! It uses a code called Varicode. For the most part, it is a more efficient use of transmit power than CW. CW is like a switch to your transmitter turning it on and off. PSK uses a modulation scheme whereas there is either modulation or not. IE a steady carrier (no modulation) represents a 1 and a phase shift represents a 0. This is very much different from CW where CW is pure carrier only. You can read more about PSK here:

<http://www.kender.es/~edu/psk31.html>

Peter G3PLX is responsible for making PSK31 useable and for the creation of VARICODE.

Robert Parker

EDUCATED BEYOND MY INTELLIGENCE!

----- Original Message -----

From: <Drbob92031@aol.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Wednesday, January 10, 2001 9:45 AM

Subject: PSK31 & MFSK questions

> To all;
> Dumb questions follow and would appreciate some "illumination"
> 1. I assume that when PSK31 and MFSK are working it "translates" the
incoming
> CW to visible CW (actual letters, words) on a PC monitor. Yes? No?
> 2. I am intimidated with the "simple" connections to the sound cards etc.
> Could someone please take me by the hand and give me a cook book or Heath
kit
> type of
> How To Do this hook up.
> I am ripe for either PSK31 or MFSK after reading the Jan. QST.
> I get the impression that MFSK is a bit superior. Yes? No?
> Thanks for any assistance;
> 72/73 de WA2EAW..Bob

Date: Wed, 10 Jan 2001 11:18:25 EST

From: DonaldMeyerhoff@aol.com

To: <qrp-1@lehigh.edu>

Subject: [88287] Operating out of local area.

Message-ID: <b0.ece899f.278de551@aol.com>

Mime-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Hi:

I have a question about temporarily working out of area. I will be going to Guam for about a week and would like to know what I have to do to get authorization to operate my cw rig there. Does anyone know the process to get this accomplished.

Thanks,
Don

Date: Wed, 10 Jan 2001 09:30:09 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [88288] Making sense
Message-ID: <Pine.LNX.4.31.0101100925360.768-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

2 messages from me don't make sense. This might make 3 if I'm not carefull...

The PBS program Jazz started at 8 pm here and the Fox hunt started at 7 pm so I was done with Fox Hunting in plenty of time to watch and record JAZZ.

I'm the Cub Fox tonight Wednesday and I will listen first 1 kHz above my frequency. Not 2 kHz.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 10 Jan 2001 10:30:10 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <DonaldMeyerhoff@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88289] Re: Operating out of local area.
Message-ID: <011201c07b22\$9c08c9a0\$0200a8c0@dandooley>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Don, I don't think you should have to do anything extra to operate there. Guam is part of the U.S. A territory.

Someone will hopefully correct us if there is a special procedure to follow.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandooley@pipeline.com
Web site: <http://www.qsl.net/wb9tka>
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: <DonaldMeyerhoff@aol.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, January 10, 2001 10:18 AM

Subject: Operating out of local area.

> Hi:

>

> I have a question about temporarily working out of area. I will be going to

> Guam for about a week and would like to know what I have to do to get

> authorization to operate my cw rig there. Does anyone know the process to

> get this accomplished.

>

> Thanks,

> Don

Date: Wed, 10 Jan 2001 11:29:11 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <SUpton@ALLEGROMICRO.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [88290] Re: Help - HTX-202

Message-ID: <003501c07b22\$c5358f20\$2101a8c0@insydesw.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

When I said 'top connector', I was referring to the battery pack, where it connects to the radio, NOT the top connector on the radio. In the battery pack this is a direct connection hard wired.

I've been told, but I don't know for sure, that the HTX-202 actually came

in TWO different variants in how they tied the RADIO top connector to the power buss that went back to the battery pack. And I'm not sure enough of the validity of both schemes to comment on that right here and now.

However, I WILL say that a lot of recommendations surface regularly to UNPLUG the pack if you power with 12v-15v at the top radio jack.

I have not done that with mine, so I don't know for sure, but I BELIEVE there is a diode to prevent the voltage flowing back into the battery pack, otherwise it would play havoc with alkalines that were still attached during operation!

Oh, and since this is an HTX-202 topic... I found a 'mod' on a British web page to 'open up' the HTX-404. A key sequence that opens the UHF version up to I think 30Mhz wide coverage... I haven't tried it yet on the 202, but has anyone else heard of it?

Mike

```
> Date: Mon, 8 Jan 2001 22:17:07 -0500
> From: "Mike Yetsko" <myetsko@insydesw.com>
> To: <crmabbott@mediaone.net>, "Low Power Amateur Radio Discussion"
> <qrp-l@Lehigh.EDU>
> Subject: [88201] Re: Help - HTX-202
>
> <snip>
>
> The RS packs have more extensive circuitry than the ICOM
> packs, and I've never run any test on the packs to see how
> far you can push them, but charging through the coax
> connector should be able to go maybe as high as 18v.
> Charging through the top (radio) connector is 'direct' to
> the battery so you need to be careful with voltage and
> current. If you charge through the 'bottom' screws for
> the drop in, they are also essentially a direct to the pack
> but some packs put a diode in there so you can't discharge
> through the screw heads if you set the pack on a conductive
> surface that manages to touch the screws.
>
> <snip>
>
> Mike
>
> The top power connector, is that connected directly to the battery
pack? Or
> does the current limiter work for that situation? I used to use my
202 in
> the car, and would just connect power (car 13.8V) to the top connector
and
> go, using the radio for a "mobile" rig, leaving the battery pack still
on.
> Good/bad idea?
>
```

> KB1CKT
> Shawn Upton
>
>

Date: Wed, 10 Jan 2001 11:36:43 -0500
From: Rick Robinson <rerobins@email.uncc.edu>
To: qrp-l@lehigh.edu
Subject: [88291] FOX Announcement 01/11/01 KF4AR
Message-ID: <v0310280bb6823d3f4fd6@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

H0000LA Hounds,

I'll be making my second appearance as the Fox on Thursday 1/11/01 at 9PM EST, Friday 1/12/01 0200 UTC somewhere around 7.041 +/- H00000LA. (Does this guy ever work anyone?)

I'll be looking to improve on my last try at handing out pelts, but I'm not a 30WPM operator so be patient my count will be low. My exchanges will be in the 20 WPM range and I'm hoping for good band conditions. The rig this time will be my K2 and I'll be looking up above my freq for hounds. I will also be checking my freq for all the hounds without RIT.

My exchange will be the standard:

<your call> TU RST NC RICK 5W <your call> BK

I hope to see you tomorrow night. Special Fox QSLs will be sent upon receipt of your QSL.

72,

Rick kf4ar

Date: Wed, 10 Jan 2001 10:28:42 -0600
From: Richard Matthews <prm@hiwaay.net>
To: qrp-l@lehigh.edu
Subject: [88292] PSK: error correction
Message-ID: <3.0.1.32.20010110102842.00942360@hiwaay.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

PSK-31 has to be one of the greatest QRP modes ever, most of us would agree. But as good as it is, you still receive messages that look like this:

OK OM UR signam is revy goo# here in Bostox, MA

Sometimes messages look like that due to poor typing or poor spelling of the other OP and soemtimes because of a poor signals or interference. Since our PSK-31 signals are being processed through our powerful computers anyway, why can't we have a fast spell like checker/corrector in the program that is smart about ham lingo, to correct the message before it is dispalyed on the print out?

It would have to know that hams use acronyms like OM and UR and it could surely correct "signam" to "signal" and ought to be able to make "good" out of goo#" and "Boston, MA" out of "Bostox, MA". It would have to have a sort of "fill-in-the-blanks" mentallity. Possibly there could be dual print outs, one of the message as received and one corrected.

Am I expecting too much with my thoughts or is such error correction a good possiblity in the future in programs like Digipan?

73,

Richard WA4NWW dreaming in Alabama

Date: 10 Jan 2001 11:39:22 EST
From: Michael Goins <mgoins@usa.net>
To: qrp-1@LeHigh.EDU
Subject: [88293] operating differences
Message-ID: <20010110163922.27604.qmail@aw162.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

I agree with Don. Guam is where the sun rises on the U.S. so it should be= no problem to operate there. I do believe there are some expanded freuencies= available for the Pacific (like the guys in Hawaii have access to).

mike
wb5yjx =

Don, I don't think you should have to do anything extra to operate there.=

Guam is part of the U.S. A territory.

Someone will hopefully correct us if there is a special procedure to follow.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandoooley@pipeline.com
Web site: <http://www.qsl.net/wb9tka>
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: <DonaldMeyerhoff@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, January 10, 2001 10:18 AM
Subject: Operating out of local area.

> Hi:
>
> I have a question about temporarily working out of area. I will be go=
ing
to
> Guam for about a week and would like to know what I have to do to get=
s to
> authorization to operate my cw rig there. Does anyone know the proces=
s to
> get this accomplished.
>
> Thanks,
> Don

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Wed, 10 Jan 2001 11:34:25 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>

To: <SUpton@ALLEGROMICRO.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88294] Re: Icom IC-706MKIIG Question
Message-ID: <005a01c07b24\$2e2e4fc0\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I recommend NEVER using the trunk lid for ANY kind of grounding...

First off, it may not be a good ground, with the bushings in the hinge bearings and all, and even nylon 'silencers' in the latch striker.

But, on SOME cars it is actually INTENTIONALLY INSULATED from the vehicle body, and used as the AM ANTENNA. Even on one model WITH a regular whip antenna, the trunk was still insulated since it was offered that way as an option.

I would ground to the framework just under the rear window, and then TIE that to the trunklid if you want that to be a grounded surface.

Mike

> Heck,
> for a while I was using my HF station strictly on a mag mount basis,
> and the tuner was not grounded either, but I recently grounded it to
> the trunklid.

Date: Wed, 10 Jan 2001 10:38:38 -0600
From: Richard Matthews <prm@hiwaay.net>
To: qrp-1@lehigh.edu
Subject: [88295] PSK: Dreaming
Message-ID: <3.0.1.32.20010110103838.008f3760@hiwaay.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

While I'm dreaming and again using the power of our computers, how about an application that works along with digipan that takes a coded message from a received PSK-31 signal and through the wonders of the Internet displays information about the OP who is sending the signal. The information would

be from a site set up previously by the OP . .wouldn't it be great to see a picture of the OP and his cat in a separate little window, while you were receiving his PSK-31 signal? well maybe not :-)

OK, who's going to write the program?

73,

Richard WA4NWW

Date: Wed, 10 Jan 2001 11:50:33 -0500
From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>
To: <DonaldMeyerhoff@aol.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88296] Re: Operating out of local area.
Message-ID: <006f01c07b25\$73ca0640\$6b03b3d8@obvious>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Don,

Guam is a territorial possession of the United States (see Appendix 1 of FCC Part 97). Therefore, Amateur Radio operation there is controlled by the FCC, and you would not need a reciprocal operating permit.

However, you might need a permit from any foreign country in which you stop on your way to Guam. There is a bunch of info under "Reciprocal Operating" on the ARRL website at www.arrl.org

73,
Dick K2JQ

Date: Wed, 10 Jan 2001 11:11:38 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <prm@hiwaay.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88297] Re: error correction
Message-ID: <015601c07b28\$674d4780\$0200a8c0@dandooley>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I wonder if it could be explained this way? A long time ago computers had 640 K of RAM. A lot of software existed doing a lot of different functions. As a rule, when you installed one of those programs and ran it, it ran pretty well. Screen, keyboard, and peripheral response was quite satisfactory. Oh yes, one other thing, processors blazed along at such mind boggling speeds as 10 or maybe even 16 MHz. Some though were modest performers down at 4 MHz.

Then along came people with some really cool ideas about what the programs they had written could do if they just added some more code to those programs. Now suddenly the computers wouldn't run the programs or run them well, so then came more RAM and faster processors, and oh yes, bigger storage.

So we leapfrog. The more we have the more we use. The more we use, the more we need. The more we have.....

You're right. It'll probably happen.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandoooley@pipeline.com
Web site: <http://www.qsl.net/wb9tka>
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: "Richard Matthews" <prm@hiwaay.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, January 10, 2001 10:28 AM
Subject: PSK: error correction

>
> PSK-31 has to be one of the greatest QRP modes ever, most of us would
> agree. But as good as it is, you still receive messages that look like
this:
>
> OK OM UR signam is revy goo# here in Bostox, MA
>
> Sometimes messages look like that due to poor typing or poor spelling of
> the other OP and soemtimes because of a poor signals or interference.
> Since our PSK-31 signals are being processed through our powerful

computers

> anyway, why can't we have a fast spell like checker/corrector in the
> program that is smart about ham lingo, to correct the message before it is
> displayed on the print out?

>

> It would have to know that hams use acronyms like OM and UR and it could
> surely correct "signam" to "signal" and ought to be able to make "good"
out

> of goo# and "Boston, MA" out of "Bostox, MA". It would have to have a
sort

> of "fill-in-the-blanks" mentality. Possibly there could be dual print
> outs, one of the message as received and one corrected.

>

> Am I expecting too much with my thoughts or is such error correction a
good

> possibility in the future in programs like Digipan?

>

> 73,

>

> Richard WA4NWW dreaming in Alabama

Date: Wed, 10 Jan 2001 12:33:20 -0500

From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>

To: "'Mike Yetko'" <myetsko@insydesw.com>, "Upton, Shawn"

<SUpton@ALLEGROMICRO.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [88298] RE: Icom IC-706MKIIG Question

Message-ID: <E1F0152638DBD311AEF700D0B74455E21E339F@EXCHANGE_NH>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Actually, that is what I have, in a round'about way--old coax braid (some
tinned stuff I salvaged) from the antenna base (one of those tri-mag mount
deals) to the trunklid brace under it, to some bolt on the rear shelf of the
car. Not sure if it is best, but I have gotten some contacts on it (but
only from people listening for me--I've yet to actually make a contact from
my own cq'ing).

Here's another question: should the radio/tuner be grounded? Well, perhaps
better put--does it really need to be grounded? Seems to work ok, and I
actually haven't been using the tuner for anything other than for the swr
needles (hamsticks work best when they are tuned, I found).

KB1CKT

Shawn Upton

-----Original Message-----

From: Mike Yetzko [mailto:myetzko@insydesw.com]
Sent: Wednesday, January 10, 2001 11:34 AM
To: SUpton@ALLEGROMICRO.com; Low Power Amateur Radio Discussion
Subject: Re: Icom IC-706MKIIG Question

I recommend NEVER using the trunk lid for ANY kind of grounding...

First off, it may not be a good ground, with the bushings in the hinge bearings and all, and even nylon 'silencers' in the latch striker.

But, on SOME cars it is actually INTENTIONALLY INSULATED from the vehicle body, and used as the AM ANTENNA. Even on one model WITH a regular whip antenna, the trunk was still insulated since it was offered that way as an option.

I would ground to the framework just under the rear window, and then TIE that to the trunklid if you want that to be a grounded surface.

Mike

> Heck,
> for a while I was using my HF station strictly on a mag mount basis,
> and the tuner was not grounded either, but I recently grounded it to
> the trunklid.

Date: Wed, 10 Jan 2001 09:22:37 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: prm@hiwaay.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [88299] Re: PSK: error correction
Message-ID: <3A5C9A5D.C8BD16CC@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Richard Matthews wrote:

>

> PSK-31 has to be one of the greatest QRP modes ever, most of us would
> agree. But as good as it is, you still receive messages that look like this:
>
> OK OM UR signam is revy goo# here in Bostox, MA
>
> Sometimes messages look like that due to poor typing or poor spelling of
> the other OP and soemtimes because of a poor signals or interference.
> Since our PSK-31 signals are being processed through our powerful computers
> anyway, why can't we have a fast spell like checker/corrector in the
> program that is smart about ham lingo, to correct the message before it is
> dispalyed on the print out?
>
> It would have to know that hams use acronyms like OM and UR and it could
> surely correct "signam" to "signal" and ought to be able to make "good" out
> of goo#" and "Boston, MA" out of "Bostox, MA". It would have to have a sort
> of "fill-in-the-blanks" mentallity. Possibly there could be dual print
> outs, one of the message as received and one corrected.
>
> Am I expecting too much with my thoughts or is such error correction a good
> possiblity in the future in programs like Digipan?
>

Well, if your brain can figure out what it is, why do you care if it
prints perfectly on the screen? One of the big advantages of RTTY and
PSK31 vs. AMTORPACTOR is that errors are accepted .. vs. resending the
message until it is perfect.

My guess is that a post-processing spell checker like you suggest would
be fairly complex to get it as good as your brain does. It would have
to know from context that goo# was good and not goon, for example. And
what if there is a place called Bostox?

But the best one to ask would be the developer of Digipan.

73, Phil W70X

Date: Wed, 10 Jan 2001 12:24:59 -0500 (EST)
From: KENNETH ROBERT MCGUIRE <at902@tcnet.org>
To: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88300] Re: Help - HTX-202
Message-ID: <Pine.LNX.4.21.0101101219550.9152-100000@hendryx.tcnet.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 10 Jan 2001, Upton, Shawn wrote:

> The top power connector, is that connected directly to the battery pack? Or
> does the current limiter work for that situation? I used to use my 202 in
> the car, and would just connect power (car 13.8V) to the top connector and
> go, using the radio for a "mobile" rig, leaving the battery pack still on.
> Good/bad idea?

The top power connector is not connected to the battery at all, and so you can not charge it from the top. The only problem with running the HTX-202 from the top with the battery pack on is that this sometimes causes a diode in the base to get a bit hot. I guess they beefed up the diode in later runs, but I would take off the battery before extended mobile use.

Ken McGuire
KC8LTL in EN74cp
at902@tcnet.org

Date: Wed, 10 Jan 2001 11:51:21 -0600
From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [88301] Re: PSK: error correction
Message-ID: <3A5CA119.F8613677@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You are indeed expecting a lot. This could be done, but the cost in processor power would be large. The kind of correction you propose would need a look-up of every received word in a dictionary file (disk I/O is slow, even today, when you are talking about that sort of thing) and application of some kind of artificial intelligence to fix various kinds of errors. Your own brain is probably much faster and more reliable for this sort of thing than the computer would be at present.

It would be simpler to use an error-correcting mode, such as PACTor. Even there, the overhead costs you in terms of throughput rates, so most digital ops prefer straight RTTY or PSK31. There is an error-correcting flavor of PSK (MFT32?) but it uses a much larger bandwidth and has not caught on (thank goodness.)

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Wed, 10 Jan 2001 09:54:14 -0800
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-1@lehigh.edu>
Subject: [88302] Arkiecon 2001
Message-ID: <01c07b2e\$58ba72a0\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

JayBob is exactly right, Mr. NorCal, Jim Cates will be attending Arkiecon for the first time this year. It will be my third trip, and I am looking forward to it very much. Arkiecon is very well run, and if you live anywhere within driving distance, make sure to attend. There is a great motel that is brand new, and is like \$41 a night or something like that. We all stayed there last year and had a blast. It comes with all the amenities, hot water, showers, clean rooms (no dust balls or M&M's or other unmentionables under the bed), towels, air conditioning and heat, and it is a great place to stay.

Arkiecon gets underway with a no host dinner Friday night at the Ribeye, and that is always a lot of fun. I cannot wait to see Tony and Graham eat Fried Cukes and Turkey Fries. Plus, you will remember that the Hanging Judge Kelsey played a great practical joke on me last year at the dinner. I didn't get mad, just vowed to get even and I will announce how at the dinner, and boy will I get even.

Saturday is a fun time with the ham fest and the forums. The Ft. Smith Ham Radio Club does a great job in putting on the hamfest. Hanging Judge Kelsey and Win Dooley, Keith Newman and the rest of the guys do a fantastic job. The venue is great, the hall is huge and the swap tables are all indoors, and the place is packed with tables. Last year there were 4 or 5 tables with qrp gear, including a great selection of keys from Dennis Foster, the TeNeKey guy from Oklahoma. The forums are in a nice large room, right next to the excellent snack bar, so eating is not a problem.

But the best part of Arkiecon is after the forums. Last year there was a free barbecue dinner, and then demos and show and tell visiting for hours. JayBob and Kathy Vines are working on this again for this year, hopefully it will be the same. Look for an announcement on that. Vern Wright will be there to set up his antennas, and you will get the chance to bring your rig and try one of his models out Saturday night. Nothing like actually using an antenna.

Right now 3 of us will be coming from California for it, and we have several more who are thinking about it. A couple of them are very well known

qrpers. Hope to see you there.

One last thing, JayBob is negotiating for a Grand Prize that will knock your socks off. But I'll let him announce that. Hope to see you in Arkansas, the land of Ice and Snow (now not in April). 72, Doug

Date: Wed, 10 Jan 2001 11:55:18 -0600
From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [88303] Re: PSK: Dreaming
Message-ID: <3A5CA206.E2FB47DA@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The data throughput of PSK31 is too slow, and its error-correcting properties too few to allow things like transmitting pictures unless you want to wait around for 15 or 20 minutes for them to come through. SSTV is what you want for that. As for textual information, I'm sure that most PSK31 ops will soon have "brag tapes" they can play just the way RTTY ops have done it for 50 years.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Wed, 10 Jan 2001 10:09:47 -0800 (PST)
From: agtaylor@llnl.gov
To: qrp-l@lehigh.edu
Subject: [88304] OT: Wanted : Husty P.S.
Message-ID: <200101101809.KAA20571@poptop.llnl.gov>
MIME-Version: 1.0
Content-Type: TEXT/plain; CHARSET=US-ASCII

I am in need of a husky 13.8V regulated supply for my station console d.c. system. One I had acquired locally has turned out to not be capable of supplying the 20A required by the backup rig (IC706).

If you have a stray p.s. capable of 20A (or more) and wouldn't mind parting with it, please get in touch with me off-reflector. I have a few supplies that won't do 20A as possible trading stock!

73 Allan K7GT / AE6TT

--

Allan G Taylor

agtaylor@llnl.gov

Date: Wed, 10 Jan 2001 10:22:52 -0800
From: Charlie Panek <charlie_paneke@agilent.com>
To: qrp-1@Lehigh.EDU
Subject: [88305] Re: [TMPs] Thirty Meter Propagation Study for 2001 [long]
Message-ID: <3A5CA87C.D0CCBB43@agilent.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> From: Rick Sealey (rsealey@northstate.net)

> Ferrell's Confidential Frequency List, 10th Edition (Jan 1997), identifies
> 30 stations along with their frequencies and modes, in the 30M shared band.
> Various military and commercial stations all over the world are listed.
>
> Rick - W4SEA
> High Point, NC
>
> -----

You can also use the FCC's license database to search by frequency.
For example, Chrysler Corporation has an Experimental Research class license
for 10.115. I see some "Fixed International" service licenses there too.

See: <http://gullfoss2.fcc.gov/cgi-bin/ws.exe/genmen/frequency.htm>

Charlie
KX7L

--
Charlie Panek
mailto:charlie_paneke@agilent.com
Agilent Technologies Inc.
Everett, Washington

Date: Wed, 10 Jan 2001 11:37:33 -0700
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88306] Key ID

Message-ID: <0E6Y1FdjLW73NnFS0Is00009851@hotmail.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Folks:

I recently got a nice straight key off eBay.

- o Brass oval base, similar to a J-38
- o shorting lever
- o ID on top: E.F. Johnson, Waseca MINN
- o ID on bottom: 590

I got to wondering if this key might have any "collector" value. Did some "net" surfing but could not turn up anything yet. (Best site I know is the W1TP site: <http://w1tp.com/>)

Can anybody shed light on this matter?

73, Rod NØRC
Ft Collins CO

Date: Wed, 10 Jan 2001 14:14:30 EST

From: K5BDZ@aol.com

To: aweiss@usd.edu, qrp-1@lehigh.edu

Subject: [88307] SBL-1, NE602

Message-ID: <65.e52440f.278e0e96@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Ade and group

I recently purchased the remaining stock of SBL-1 (about 6 pieces at \$7.50 ea) and NE602 (about 20 pieces at \$3.50 ea) from a local store, which was my last source. Will be happy to part with a few to those in need...for the same prices paid plus shipping.

Let me know...via e-mail to office please so request does not get lost...

bhickox@hickoxcomm.com

Bill K5BDZ

Date: Wed, 10 Jan 2001 12:28:16 -0600
From: Charles K Brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [88308] Source for SA612AN/NE602 replacement
Message-ID: <20010110.135004.4262.0.n4so@juno.com>

Look for SA602AN OR SA612AN
The source for the ** NE602 TX Mixer **
The SA612AN is showing up in QST schematics
such as the PSK31 transceiver from QST June 2000-
page 33 in the parts list.
The source for the SA612AN was listed as the
New Jersey QRP club-"send a SASE to George Heron,
N2APB, 2419 Feather Mae Ct, Forest Hill, MD 21050
for a price list." Not known if this offer is still
good. The Elecraft K1 uses the SA602AN for PreMixer
and Prod. detector. SA602AN and SA612AN are alternates.

Ken Brown N4S0
Mobile, AL EM50tk
NorCal 20 at 5 watts
4 element mono. yagi
Elecraft K1 #260

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Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Wed, 10 Jan 2001 13:50:03 -0600
From: Charles K Brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [88309] TRIPP LITE Regulated Power Supply
Message-ID: <20010110.135004.4262.9.n4so@juno.com>

triplite.txt

TRIPP LITE
13.8 VDC Precision-Regulated Power Supplies
Rated for continuous use and long life.

These 13.8 VDC power supplies are commercial
quality for land mobile two-way and ham radios.

11 TRIPP LITE models are in the Digi-Key catalog
page 514.

Models range from small computer "Trim Line" supplies
at less than 3 amps to large 25, 40 and 50 amps supplies.

I own the PR25 which is rated for 100 Watt ham
transceivers.

Digi-Key part number TL190-ND.

TRIPP LITE Corp., 1111 W. 35th St., Chicago, IL 60609

Tel. 773-869-1111

Fax. 773-869-1329

nnnn

Ken Brown N4SO
Mobile, AL EM50tk
NorCal 20 at 5 watts
4 element mono. yagi
Elecraft K1 #260

GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!

Join Juno today! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Wed, 10 Jan 2001 15:10:54 -0500

From: Ron Majewski <majewski@erim-int.com>

To: qrp-l <qrp-l@lehigh.edu>

Subject: [88310] FOX: Hunt 24 Preliminary Log & Comments

Message-ID: <3A5CC1CE.8944F6AE@erim-int.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi All,

Last night's hunt was full of the unexpected. My first QSO was with

KL7IXE/7 in Washington State. That's a haul at 0200utc. Better still, the yagi was pointed south-southeast at the time so I worked Mike off the rear quarter of the antenna.

The pile-up didn't appear until nearly 15 minutes into the hunt. Because of this, I started listening on the high side and was able to work two or three hounds in a row on the same receive frequency. Once the pile appeared I started scanning the low side but came up empty.

The big disappointment was when the band took a nose dive starting at 0245utc. The noise came up and the pile disappeared. I worked 60 stations in the first 50 minutes of the hunt, then could only pull out another 33 stations in the next 70 minutes. I can't tell you how frustrating this was for me. The band was playing and I had my dancing shoes on, but the propagation gods rolled up the dance floor! :(Ah well.

The preliminary results are 93 QSOs with one dupe and one incomplete exchange. Even with the crummy second half I heard from 26 states and 2 Canadian Provinces.

One added item for this hunt was that I set up my cassette recorder and have an audio tape of the first 60 minutes of the hunt. I will be digitizing pieces of the tape and will try to find a place to park them on the net. I thought people might find it interesting to hear what the pile-up sounds like on my end. Stay tuned for that.

Many thanks to all of you for an enjoyable evening and a great pair of hunts. My apologies to those who came up empty in their quest for a piece of pelt. Next time for sure! :)

72/3,

Ron (W8RU).

Preliminary Log for Hunt #24

0201	KL7IXE/7	579	MIKE	WA	5W
0202	W5YR	559	GEORGE	TX	5W
0203	WE6W	559	ED	CA	5W
0203	N5TW	599	TOM	TX	5W
0204	W0UFO	559	MERT	MN	5W
0205	N5ET	559	BOB	TX	5W
0205	N0UR	599	JIM	MN	5W
0206	K0EVZ	579	DOC	ND	5W
0207	W2APF	559	THAIRE	MA	5W
0208	N4ROA	599	DAN	VA	5W

0208	KC5RPF	599	KEN TX 5W
0209	K9IUA	559	KEVIN ND 5W
0210	NV4V	559	PETE KY 5W
0211	AF4PS	589	MAC FL 4W
0211	N1LN	579	BRUCE TX 5W
0212	K0MP	559	BILL CO 5W
0213	K5ZTY	559	BILL TX 5W
0214	W0PWE	599	JERRY IA 5W
0215	KK5LD	559	DAN TX 5W
0216	W5HNS	559	HENRY TX 5W
0216	K4BYF	559	JACK FL 5W
0217	N2CQ	559	KEN NJ 5W
0218	VE5RC	559	BRUCE SK 5W
0219	NQ7X	559	FLOYD AZ 5W
0220	N0DSP	559	TOM CO 5W
0220	K4GT	559	JIM GA 5W
0221	W8SFF	559	STEVE MI 5W
0223	VA6RF	559	EARL AB 5W
0223	NK7M	559	BOB AZ 5W
0224	K5DI	559	KARL NM 5W
0225	WA50JE	559	DANNY TX 5W
0226	W5SB	559	BILL TX 5W
0226	N5IW	559	DAVE TX 5W
0227	K5LN	559	BILL TX 5W
0228	K5VUU	559	ED TX 5W
0229	N1FN	559	ET CO 5W
0229	KQ5U	559	TERRY TX 5W
0230	W0CH	579	DAVE MO 5W
0231	K5AAR	559	DON OK 5W
0231	N5UW	559	CLIF OK 5W
0232	WR50	559	DAVE TX 5W
0233	W5USJ	559	CHUCK TX 3W
0234	N5ZE	559	LEW TX 5W
0234	NK6A	559	DON CA 5W
0236	WS4S	559	CONARD TN 5W
0236	AC5JH	559	TOM OK 5W
0237	W5NC	559	ZED TX 5W
0238	K6VNX	559	ARLEN CA 5W
0239	AA7XA	559	FRANK OR 5W
0240	KC1FB	559	JIM CT 5W
0240	K4FB	559	PAUL FL 5W
0241	AF4LQ	579	MIKE KY 5W
0242	W0J0E	559	JOE MO 5W
0242	K5DW	559	DON TX 5W
0245	N1TP	559	TOM FL 5W
0245	W2XN	579	FRED FL 5W
0248	K5JS	559	JOHN LA 2W
0249	KD7GTI	559	DOUG WA 5W

0250	N2WF	559	BILL	NJ	5W
0250	W5TB	559	DOC	TX	5W
0251	K5JHP	559	BILL	TX	5W
0253	AA7EQ	559	BOB	AZ	5W
0254	KD7CTF	559	LEE	OR	5W
0255	N6WG	559	BOB	CA	5W
0256	K7FD	559	JOHN	OR	5W
0258	N5WL	559	BILL	OK	5W
0258	AB8DF	559	ED	MI	5W
0259	N5GLQ	589	MIKE	LA	5W
0300	AF4PP	559	CHUCK	GA	3W
0301	K4TJD	559	TOM	GA	5W
0304	K8CV	559	WALT	MI	5W
0305	KI0II	549	RON	CO	5W
0305	K5EOA	579	WAYNE	LA	5W
0307	KJ0C	559	JIM	MO	5W
0308	W4NJQ	559	CHARLES	CA	5W
0310	WB7AEI	569	PHIL	WA	4W
0313	AE6TT	559	ALLAN	CA	100W
0316	N10DL	449	ARON	NH	4W
0317	N7CQR	559	DAN	OR	5W
0319	K1ZW	559	LARRY	TX	5W
0321	NQ7K	559	MIKE	AZ	5W
0322	K4BB	579	KEN	KY	1W
0325	N5IB	559	JIM	LA	5W
0328	KK5LD	559	DAN	TX	1W
0329	K5OI	559	TIM	NM	5W
0332	AB0CD	559	DICK	CO	5W
0337	AK1P	449	PAUL	CA	5W
0338	W6ABC	559	JACK	CA	5W
0349	N7GS	559	MAL	MT	5W
0350	N4SO	599	KEN	AL	5W
0356	N9AW	559	JERRY	WI	5W
0358	K0YWD	559	SKIP	MT	5W
0359	W9TZ	559			5W
0000	W8RU		FOX	MI	5W RON

Date: Wed, 10 Jan 2001 15:08:09 -0500

From: "Don Wilhelm" <w3fpr@arrl.net>

To: <SUpton@ALLEGROMICRO.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [88311] Re: Icom IC-706MKIIG Question

Message-ID: <004901c07b41\$6edde360\$1bb8183f@dbw11main>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Shawn and all,

One related safety reminder that I might add - when working around automotive stuff, the proper way to assure electrical safety is to remove all connections to the GROUNDED side of the battery. This assures that anything shorted to the chassis will not be melted with high current. To re-inforce by stating the converse - think about what would happen if one removes the hot terminal first, and the wrench happens to contact a grounded part of the vehicle.

73,

Don Wilhelm -Chapel Hill, NC W3FPR home page:

<http://www.w3fpr.webprovider.com>

QRP-L # 485 K2 SN 0020 [mailto: w3fpr@arrl.net](mailto:w3fpr@arrl.net)

----- Original Message -----

From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>

>

> Good disscusion; I finally learned why this is done. Thanks for the info.

> I don't think I will go about fusing my current car installation at the
> moment, but in the future I will definitely fuse the neg power lead also.

>

> KB1CKT

> Shawn Upton

>

>

Date: Wed, 10 Jan 2001 12:10:52 -0800

From: Ed Loranger <ooringer@yahoo.com>

To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>

Subject: [88312] SDRV analyzes nicely.

Message-ID: <3A5CC1CB.9825A3B5@yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi gang, since discovering the construction details of the South Dakota Resonant Vertical I've been busy doing the math for shorted and open stubs.

The design of these linear loaded antennas seems to be absent in much of my literature and books so

I had to get back to basics such as inductive and capacitive reactance of shorted and open lines and wires.

Adjusting for velocity factor, the radian length of the 300 ohm stub and its inductive reactance is calculated. And the single wire radiator capacitive reactance for its length is calculated as well.

Apparently the secret is the capacitive reactance of the radiator is cancelled by the inductive reactance of the stub.

The tricky variables are: Velocity factor of your particular 300 ohm transmission line stub and the impedance of the single wire radiator and its velocity factor as affected by the graphite fishing pole and Polyethelene jacket of the wire.

If the X_c of the radiator is known, the stub length (shorted at far end is determined by: $(\text{ARCTAN}(X_l/Z_{o_300})/(2*\text{PI}))$. The result is the fractional wavelength. Such as .20 for 1/5 wave.
 $\text{Length(ft)} = ((984 * \text{velocity_factor}) / \text{Freq_MHz.}) * \text{fractional_wavelength}$, I.E. .20 in this example.

The designed shorted stub X_l is equal to:
 $Z_o * \text{TAN}(2*\text{PI} * (\text{fractional wavelength} / \text{full_wavelength}))$.
Be sure calculator is in radian mode.
The X_c of the radiator is approx:
 $Z_o(\text{radiator}) * 1 / (\text{TAN}(2*\text{PI} * (\text{fractional wavelength} / \text{full_wavelength})))$.
The Z_o of the radiator is based on a single wire at median height above ground and I used 400 Ohms.

Practical and physical design.
To fit a radiator to work on a certain frequency I "Think" I can measure the radiator capacitive reactance to ground with a ADE LC meter and calculate the X_l of the stub to be used to linearly load it.

This has been a fun math experience and if I find my spare 300 ohm TX line lying around I think I'll build one of these things and do some further measurements.

Hope this is useful.

72/Ed we6w

--

72/Ed WE6W; A-1 Op; SOC#63; QRPL#1068
<http://www.qsl.net/we6w> Santa Rosa, CA
My 2 pennies worth is just common cents.

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 10 Jan 2001 12:16:20 -0800
From: Ed Loranger <ooringer@yahoo.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>
Subject: [88313] Re: SDRV analyzes nicely.
Message-ID: <3A5CC314.49387C6F@yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed Loranger wrote:

> If the X_c of the radiator is known, the stub length (shorted at
> far end is determined by: $(\text{ARCTAN}(X_l/Z_o_{300})/(2\pi))$.

ummmm, that's X_c/Z_o_{300}

--
72/Ed WE6W; A-1 Op; SOC#63; QRPL#1068
<http://www.qsl.net/we6w> Santa Rosa, CA
My 2 pennies worth is just common cents.

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Wed, 10 Jan 2001 12:34:41 -0800
From: Jerry Parker <jparker@fix.net>

To: qrp-1@LeHigh.edu
Subject: [88314] The Manhattan Challenge and more
Message-ID: <2.2.32.20010110203441.0071dc1c@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The The Manhattan Challenge Adams Vs. Kortge & The IOWA QRP 10 continues.

I have just posted Jim Kortge's 9th and 10th installment.

Check it out:

<http://www.fix.net/norcal.html>

also,

Just received my World Radio and if you need further info on the "Miniboots" by Wayne McFee NB6M it is all on the NorCal Page in a zipped file.

Enjoy,,,72,,,Jerry...WA6OWR...k

Date: Wed, 10 Jan 2001 15:32:29 -0500
From: jcasey@notes.cc.sunysb.edu
To: qrp-1@lehigh.edu
Subject: [88315] Presentation on QRP?
Message-ID: <0FA0F6D67A.D9C57A28-0N852569D0.0070D65D@cc.sunysb.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Hi Gang,

I've been asked to give a short presentation on QRP at a local gathering here on Long Island called "Ham Radio University 2001." I've heard that there may be publicly available slides or PowerPoint presentations that people have created for this purpose. Can you point me to such materials? Any advice on what I should be sure to include or avoid, given that I'll only have the group for 15 minutes? Has anyone made up a QRP data sheet telling about QRP-L, QRP ARCI, etc. that I could distribute to those in attendance?

Thanks in advance for any guidance you can give.

72,
Jeff
WB5GWB
Long Island, NY

"Ask me about the Long Island QRP Club."

Date: Wed, 10 Jan 2001 18:48:47 -0300
From: Kleibe Jacinto de Araujo <kleibe@anatel.gov.br>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [88316] 80/40 Vertical..
Message-ID: <CAF7A799892ED411982E00D0B713C7C74E6EFF@ANATELMAILE>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Gang...again....
About Vertical antennas, in special for 80 and 40, where i would get =
more
info on the Net???
Tnx for any help...
=20

73=B4s
Kleibe Jacinto de Araujo
PP2KJA
QRP ARCI #10175
G-QRP #10515=20

=20

Date: Wed, 10 Jan 2001 12:53:24 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: kleibe@anatel.gov.br
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88317] Re: 80/40 Vertical..
Message-ID: <3A5CCBC4.2AA4AC0@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Kleibe Jacinto de Araujo wrote:

>
> Gang...again....
> About Vertical antennas, in special for 80 and 40, where i would get more
> info on the Net???
> Tnx for any help...
>

There is some good info (much good info!) at this site:

<http://www.cebik.com/radio.html>

73, Phil W7OX

Date: Wed, 10 Jan 2001 21:29:10
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [88318] Re: PSK: error correction
Message-ID: <F192KMX5AzeipEC1GEu00014aaf@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Richard Matthews (prm@hiwaay.net) wrote:

>(snip...)
>Since our PSK-31 signals are being processed through our
>powerful computers anyway, why can't we have a fast spell
>like checker/corrector in the program that is smart about
>ham lingo, to correct the message before it is dispalyed
>on the print out?
>(snip)

We do. It's called QPSK mode, and it uses a convolutional code with Viterbi decoding. In many ways it looks like trellis-coded modulation, but that's another matter...

There is nothing sacred about Viterbi decoding. It provides output at a constant rate - handy for real-time stuff like satellite TV. For PSK31 we could almost as easily use sequential decoding with much more powerful codes.

Codes for Viterbi decoders rarely consider more than 6 or 7 bits at a time ("constraint length"), but there are applications with sequential decoding that use constraint lengths of 31 (handy on 32 bit micro-

processors) or even longer. The longer the code, the more errors it can correct.

Such an approach is completely general, and is not tied to any particular language or vocabulary.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
 - Hospital/Shafte

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Wed, 10 Jan 2001 16:48:09 -0500 (EST)
From: n2go@arrl.net
To: qrp-l@Lehigh.EDU
Subject: [88319] Re: Hygain Customer service
Message-ID: <Pine.LNX.4.21.0101101644440.279-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just got a replacement part for my Hygain DX-88 that was damages from a storm. The new owners of Hygain get good marks from me. I received the goods in 6 days after ordering. They said that they would have to assemble the replacement part.... We can't just bash the Ham dealers.
These guys deserve an A+ :)

73,

Jim n2go

Date: Wed, 10 Jan 2001 17:02:59 -0500
From: "ZOOM" <kandRparker@sympatico.ca>
To: <ka9nzi@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88320] Re: PSK: Dreaming
Message-ID: <002801c07b51\$185eb040\$39cdfea9@einstein>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

PSK31 HAS NO ERROR correcting capabilities. Yes slow for pics but you can't

tell me you can type faster than PSK31 can deliver! The only slow part about PSK31 is the operator. As far as sending pics, PSK31 is only 31 baud. What else do you want? It's 31 baud so you don't need allot of power to get your message sent a long distance. If you want to send pics, Use e-mail!!

Robert Parker

----- Original Message -----

From: "Gary Lee Phillips KA9NZI" <ka9nzi@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, January 10, 2001 12:55 PM
Subject: Re: PSK: Dreaming

> The data throughput of PSK31 is too slow, and its error-correcting
> properties too few to allow things like transmitting pictures unless
> you want to wait around for 15 or 20 minutes for them to come through.
> SSTV is what you want for that. As for textual information, I'm sure
> that most PSK31 ops will soon have "brag tapes" they can play just
> the way RTTY ops have done it for 50 years.
>
> -- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
> KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
> QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Wed, 10 Jan 2001 15:13:39 -0700
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: <elecraft@qth.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, "Flying Pigs" <fpqrp-l@mpna.com>
Cc: <n3aaz-qrp@juno.com>, <nb6m@winlink.org>, <kq0i@arrl.net>
Subject: [88321] 17m Sat Morning PSK net--The Results
Message-ID: <0E45eiuwX07Hu2tYd2h00003b92@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

On Sat 06-Jan-2001 four stations "checked in" for the 17m PSK QRP-L net:

Wayne, NB6M Concord, CA
Rod, N0RC, Fort Collins, CO
Mark, KQ0I, Des Moines, IA
John, N2AAZ, Centerville, MD

SFI was about 180, No flares, no Geo Mag Storm...etc

Time: 1600z-1700z

Here is a summary table of who could talk to who and station to station distances:

Participants please edit and repost the tables to fill in or correct data.

Who copied who & how well

TX:	NB6M	N0RC	KQ0I	N3AAZ
RX				
--				
NB6M	n/a	>90%	>90%	10-50%*
N0RC	>95%	n/a	n/c	~50%
KQ0I	G	n/c	n/a	?
N3AAZ	?	~50%	?	n/a

n/a = not applicable

n/c = no copy

* Wayne mention to me (over the air) that his copy on N3AAZ went up as the morning wore on. I too notice better copy on N3AAZ as time wore on.

Station to station distance (mi)

from: <http://www.indo.com/distance/>

TX:	NB6M	N0RC	KQ0I	N3AAZ
RX				
--				
NB6M	0	924	1524	2464
N0RC	924	0	602	1504
KQ0I	1524	602	0	942

N3AAZ 2464 1504 942 0

Wayne mention to me (over the air) that his copy on N3AAZ went up as the morning wore on.

EQUIPMENT

	XCVR	ANT	PWR
NB6M	Yaesu(?)	??	5 & 40
NØRC	TS-570s(G)	Attic Dipole	5-10W
KQØI	??	??	??
N3AAZ	??	??	??

NOTES AND CONCLUSION

1. We should continue, but start later, 17 seems to "sleep late". My kinda band ;-)
2. Mark suggested having two control/relay stations on either side on the country.
3. I heard from N4S0 in Mobile,, AL. He could not hear any of us.
4. We had fun!

NEXT ACTION(s):

1. Try again 13-Jan-2001 1800Z ~ 1900z
2. Wayne is out traveling/setting up to his /MM QTH. Rod is out training class at work, Golf Romeo Romeo!
3. Somebody take lead and post a summary like this, I'll keep the records.
4. Have fun.

73, Rod NØRC
Ft Collins CO

Date: Wed, 10 Jan 2001 17:16:29 -0500

From: "ZOOM" <kandRparker@sympatico.ca>
To: <marsgal42@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88322] PSK31 DOES NOT HAVE ERROR CORRECTION!!!!!!
Message-ID: <007301c07b52\$fba679e0\$39cdfea9@einstein>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I don't know why people are talking about PSK31 and error correction. There is no error correction implemented in this mode!!! Adding error correction would do two things to this mode.

- 1: Cause unwanted delays!
- 2: Missing data fragments!
- 3: Could require more bandwidth!

PSK31 is raw and works very well for what it is intended. If you want error correction, use AMTOR or PACTOR. We all know how lousy these modes can be when propagation is poor! PSK however works very well in almost all conditions. That's why QRP works so well with this mode.

Robert Parker
VE3RPF

----- Original Message -----

From: "laura halliday" <marsgal42@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, January 10, 2001 9:29 PM
Subject: Re: PSK: error correction

> Richard Matthews (prm@hiwaay.net) wrote:

>

> >(snip...)

> >Since our PSK-31 signals are being processed through our
> >powerful computers anyway, why can't we have a fast spell
> >like checker/corrector in the program that is smart about
> >ham lingo, to correct the message before it is displayed
> >on the print out?

> >(snip)

>

> We do. It's called QPSK mode, and it uses a convolutional
> code with Viterbi decoding. In many ways it looks like
> trellis-coded modulation, but that's another matter...

>

> There is nothing sacred about Viterbi decoding. It provides

> output at a constant rate - handy for real-time stuff
> like satellite TV. For PSK31 we could almost as easily
> use sequential decoding with much more powerful codes.
>
> Codes for Viterbi decoders rarely consider more than
> 6 or 7 bits at a time ("constraint length"), but there
> are applications with sequential decoding that use
> constraint lengths of 31 (handy on 32 bit micro-
> processors) or even longer. The longer the code, the
> more errors it can correct.
>
> Such an approach is completely general, and is not
> tied to any particular language or vocabulary.
>
> Laura Halliday VE7LDH "Que les nuages soient notre
> Grid: CN89mg pied a terre..."
> - Hospital/Shafte
>
> -----
> Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.
>

Date: Wed, 10 Jan 2001 22:27:52
From: "laura halliday" <marsgal42@hotmail.com>
To: kandRparker@sympatico.ca, qrp-1@Lehigh.EDU
Subject: [88323] Re: PSK31 DOES NOT HAVE ERROR CORRECTION!!!!
Message-ID: <F43Tyor2YcM5hfbXHGN0000ff2b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

ZOOM <kandRparker@sympatico.ca> wrote:

>I don't know why people are talking about PSK31 and
>error correction. There is no error correction imple-
>mented in this mode!!! Adding error correction
>would do two things to this mode.
>1: Cause unwanted delays!
>2: Missing data fragments!
>3: Could require more bandwidth!

???

Just because QPSK mode (which is discussed in G3PLX's
original RadCom article, and implemented in every PSK31
implementation I've ever seen source code for) never
caught on does not mean that it doesn't exist. BPSK

mode has no error correction. QPSK does.

Viterbi decoders decode data at a constant rate. I verified this myself in a simulation at school, comparing hard and soft-decision decoding of block codes.

If they can't decode the input they will produce garbage - constant rate garbage. :-) They get back on track eventually. This is why folks like NASA combine convolutional codes with other codes (e.g. Reed-Solomon). The blanks caused by the Viterbi decoder garbage are filled in by the Reed-Solomon code.

The bandwidth and E_b/N_0 tradeoffs are well understood. Spend some bandwidth and E_b/N_0 on the redundancy, get it back in lower error rates.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
 - Hospital/Shafte

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Wed, 10 Jan 2001 17:40:45 -0500
From: w2xn@juno.com
To: fpqrp-1@mpna.com, qrp-1@Lehigh.EDU
Subject: [88324] Chili Cookout
Message-ID: <20010110.174054.-717087.0.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Last Sunday, Jan 7, the Lakeland Amateur Radio Club had a chili cookout and QRP operating event. Paul, K4FB posted a note previously telling about the contacts that were made. Rigs were supplied by Paul, K4FB, and included the K-1 and K-2 as well as the half-square 20M antenna. Pictures are now available on the Lakeland Amateur Radio Club's web site at: <http://lakelandarc.homestead.com/gallery.html> Notice the TT2 belonging to Jack, K4BYF, in one of the pictures. Jack didn't bring the connector cables so we didn't get a chance to try it out. Maybe next time.

Fred W2XN w2xn@arrl.net

ARRL, ARES, Skywarn #POL-007, V E;
QRP: AR #233, QRP-L #1728, NJ #197, Zombie #709, FP #126

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Date: Thu, 11 Jan 2001 09:38:42 +1100
From: "Graeme Zimmer" <gzimmer@bigpond.com>
To: <kandRparker@sympatico.ca>, "Low Power Amateur Radio Discussion" <qrp-
l@lehigh.edu>
Subject: [88325] Re: PSK31 DOES NOT HAVE ERROR CORRECTION!!!!
Message-ID: <00fd01c07b56\$1a7bd1a0\$745b868b@zims1aptop>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I don't know why people are talking about PSK31 and error correction.
There
> is no error correction implemented in this mode!!!

Go read <http://www.kender.es/~edu/psk31theory.html>

There is a good description of why Peter Martinez didn't include Error
Correction in BPSK but DID include it in the QPSK version of PSK31.....

P.S. also read <http://det.bi.ehu.es/~jtpjatae/pdf/p31g3plx.pdf>

and my reference page at <http://www.users.bigpond.com/gzimmer/links.html>

..... Zim VK3GJZ

Date: Wed, 10 Jan 2001 22:18:16 +0000
From: Larry S Cahoon <wd3p@juno.com>
To: jcasey@notes.cc.sunysb.edu
Cc: qrp-l@Lehigh.EDU
Subject: [88326] Re: Presentation on QRP?
Message-ID: <20010110.224844.-359873.0.wd3p@juno.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Hi Jeff,

Given you only have 15 minutes I think that my prime goal would be to tell them that QRP can be a lot of fun. The main problem they will have is that with 5 Watts "I can't work anyone" - the QRP stations are weak syndrome. So you need to address that. I would take that on first.

You might want to point out that the 599 station they worked the other day would still be 579 if he cut his power from 100 watts to 5 watts and would still be a good 559 if he cut his power down to 500 mWatts.

Then I'd push the fun stuff. For those who like to build they can build their own rig - nothing beats the fun of working that rare DX or State with a rig you built. Take along one of your homebrew rigs. If you have a K1 or K2 take it along.

For the Hikers you can point out that they can carry their rig with them. This also brings up the fun things the QRP groups get into. AT award, FYOB, QRP Afield, the Spartan Sprints, Flight of the Bumblebees and others come up here.

Only then would I even mention the various groups. If you don't sell them on the fun of QRP they won't care about organizations.

Hope this helps. 73 de Larry.....WD3P

On Wed, 10 Jan 2001 15:32:29 -0500 jcasey@notes.cc.sunysb.edu writes:

> Hi Gang,
>
> I've been asked to give a short presentation on QRP at a local
> gathering
> here on Long Island called "Ham Radio University 2001." I've heard
> that
> there may be publicly available slides or PowerPoint presentations
> that
> people have created for this purpose. Can you point me to such
> materials?
> Any advice on what I should be sure to include or avoid, given that
> I'll
> only have the group for 15 minutes? Has anyone made up a QRP data
> sheet
> telling about QRP-L, QRP ARCI, etc. that I could distribute to those
> in
> attendance?
>
> Thanks in advance for any guidance you can give.

>
> 72,
> Jeff
> WB5GWB
> Long Island, NY
>
> "Ask me about the Long Island QRP Club."
>

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 10 Jan 2001 22:49:15 -0000
From: "Graham Firth" <graham.firth@btinternet.com>
To: <ki6ds@dph.dpol.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [88327] Re: Arkiecon 2001
Message-ID: <00dc01c07b57\$b6494440\$ac2b073e@graham>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi

----- Original Message -----

From: "Doug Hendricks" <ki6ds@dph.dpol.net>
>I cannot wait to see Tony and Graham eat Fried
> Cukes and Turkey Fries.

I hope someone is going to tell us what Fried Cukes and Turkey Fries are!

Seriously - it looks like we're going to have a great time. Tony & I are visiting both Atlanticon and Arkicon this year. Looks like we are going to have more fun than we should be allowed to - with our clothes on!!

March will soon be here.

72/3
Graham
G3MFJ

Date: Wed, 10 Jan 2001 23:19:38
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [88328] Re: Source for SBL-1, NE602????
Message-ID: <F274ruDmbwoQkt0YAae0000fb8e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Adrian Weiss (aweiss@usd.edu) wrote:

>I've been surfing a lot of sites, but no SBL-1 or NE602
>in sight yet!

I found both at RF Parts <<http://www.rfparts.com>>

Mini Circuits at <<http://www.minicircuits.com>> will of course sell you all the SBL-1s you want. While they have a minimum order (\$US50.00 last time I checked) I've never had any difficulty meeting it with their catalogue in front of me. Letting people know you have spare SBL-1s, MAR-6s or similar goodies is your ticket to instant, if fleeting, popularity.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
 - Hospital/Shafte

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Wed, 10 Jan 2001 17:20:21 -0600
From: "kc0bdw" <kc0bdw@email.msn.com>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [88329] Re: PSK31 DOES NOT HAVE ERROR CORRECTION!!!!
Message-ID: <003601c07b5b\$e9600b80\$fc47263f@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Or read the section for PSK 31 in the ARRL handbook..In QPSK it requires better tuning something along the lines of 4 hz..

----- Original Message -----

From: "Graeme Zimmer" <gzimmer@bigpond.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, January 10, 2001 16:38
Subject: Re: PSK31 DOES NOT HAVE ERROR CORRECTION!!!!

> > I don't know why people are talking about PSK31 and error correction.
> There
> > is no error correction implemented in this mode!!!
>
> Go read <http://www.kender.es/~edu/psk31theory.html>
>
> There is a good description of why Peter Martinez didn't include Error
> Correction in BPSK but DID include it in the QPSK version of PSK31.....
>
>
> P.S. also read <http://det.bi.ehu.es/~jtpjatae/pdf/p31g3plx.pdf>
>
> and my reference page at <http://www.users.bigpond.com/gzimmer/links.html>
>
> Zim VK3GJZ
>

Date: Wed, 10 Jan 2001 15:31:33 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: Rod Cerkoney <n0rc@hotmail.com>
Cc: elecraft@qth.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, Flying Pigs <fpqrp-l@mpna.com>, n3aaz-qrp@juno.com, nb6m@winlink.org, kq0i@arrl.net
Subject: [88330] Re: [Elecraft] 17m Sat Morning PSK net--The Results
Message-ID: <3A5CF0D5.942C50C1@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rod Cerkoney wrote:

>
> NOTEs AND CONCLUSION
>
> 1. We should continue, but start later, 17 seems to "sleep late". My
> kinda band ;-)
>
> 2. Mark suggested having two control/relay stations on either side on
> the country.

>
> 3. I heard from N4SO in Mobile,, AL. He could not hear any of us.
>
> 4. We had fun!
>
> NEXT ACTION(s):
>
> 1. Try again 13-Jan-2001 1800Z ~ 1900z
>

What freq, Rod? BTW .. NO K2s on the eqmt list :-;

73, Phil W70X

Date: Wed, 10 Jan 2001 15:35:50 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: marsgal42@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [88331] Re: Source for SBL-1, NE602????
Message-ID: <3A5CF1D6.8F3EFBEC@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

laura halliday wrote:

>
> Adrian Weiss (aweiss@usd.edu) wrote:
>
> >I've been surfing a lot of sites, but no SBL-1 or NE602
> >in sight yet!
>
> I found both at RF Parts <<http://www.rfparts.com>>
>
> Mini Circuits at <<http://www.minicircuits.com>> will of
> course sell you all the SBL-1s you want. While they
> have a minimum order (\$US50.00 last time I checked)
> I've never had any difficulty meeting it with their
> catalogue in front of me.

Yes .. catalogs make it possible to do all kinds of mischief to your bank acct (always true for me!). AES is the worst (really expensive goodies!).

73, Phil W70X

Date: Wed, 10 Jan 2001 18:45:43 -0500
From: "ZOOM" <kandRparker@sympatico.ca>
To: "Graeme Zimmer" <gzimmer@bigpond.com>, "Low Power Amateur Radio Discussion"
<qrp-1@Lehigh.EDU>
Subject: [88332] Re: PSK31 DOES NOT HAVE ERROR CORRECTION!!!!
Message-ID: <001501c07b5f\$726057c0\$39cdfea9@einstein>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Isn't QPSK just 2 PSK signals shifted 90 degrees?
This gives you a denser constellation but yes increased bandwidth!
There are no extra bits added to PSK for error correction as is the case
with CRC error correction.
A good discussion just the same!

Robert Parker
VE3RPF

----- Original Message -----
From: Graeme Zimmer <gzimmer@bigpond.com>
To: <kandRparker@sympatico.ca>; Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>
Sent: Wednesday, January 10, 2001 5:38 PM
Subject: Re: PSK31 DOES NOT HAVE ERROR CORRECTION!!!!

> > I don't know why people are talking about PSK31 and error correction.
> There
> > is no error correction implemented in this mode!!!
>
> Go read <http://www.kender.es/~edu/psk31theory.html>
>
> There is a good description of why Peter Martinez didn't include Error
> Correction in BPSK but DID include it in the QPSK version of PSK31.....
>
>
> P.S. also read <http://det.bi.ehu.es/~jtpjatae/pdf/p31g3plx.pdf>
>
> and my reference page at <http://www.users.bigpond.com/gzimmer/links.html>
>
> Zim VK3GJZ
>
>

End of QRP-L Digest 2063
